

SEPTEMBER

13 Bellaire, Shanty Creek Resort. Michigan Aeronautics Commission Meeting held jointly with MAAE. Call 517-335-9943.

MOVED? DID NOT RECEIVE YOUR CHART?

The Bureau makes every effort to provide a Michigan Aeronautical Chart to Michigan pilots with active medicals. Many charts are returned due to expired forwarding data and then remailed. The 2001 Charts and Directories will be mailed **once** using Presorted Standard mail with Forwarding Service up to one year. Update your change of address now with the FAA to assure delivery of your 2001 Chart.

John Engler, Governor

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Michigan - AOPA Pilot Town Meeting

AOPA's Pilot Town Meetings offer pilots and aircraft owners a lively forum in which to discuss matters that are important to them, exploring issues and concerns with Phil Boyer, AOPA's president, and with each other.

Boyer's multimedia presentations are fast-paced and high-tech, informative and entertaining. And using new, interactive technology at each meeting, about 50 randomly selected pilots participate in a real-time electronic poll on a variety of issues. The audience sees the results instantly!

Boyer regards the Pilot Town Meeting as a learning vehicle for himself, too. Indeed, his primary purpose in instituting them eight years ago was to become more familiar with the concerns of pilots and owners through a direct, personal exchange of views. He credits this continual feedback (in addition to continual member research) with helping guide AOPA in constantly improving its service to members. And that, in turn, has sparked the steady rise in AOPA membership to its record 360,000.

AOPA's Regional Representatives participate in Pilot Town Meetings in their areas, and useful printed materials from AOPA and the AOPA Air Safety Foundation are always available on-site.

Pilot Town Meeting - Lansing, MI

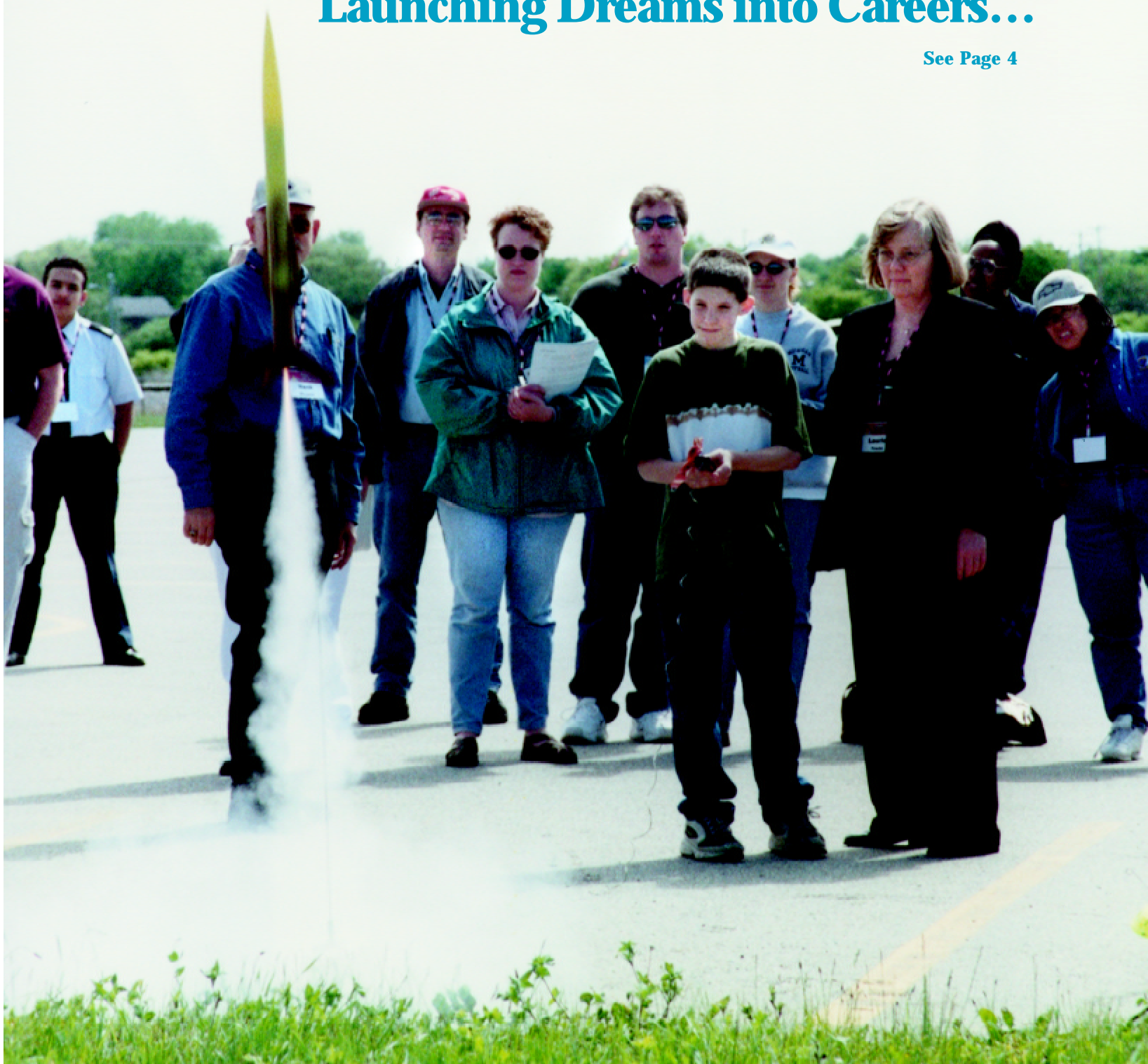
Monday, September 11, 2000 - 7:30 p.m.

2700 East Airport Service Drive

Lansing, MI

Launching Dreams into Careers...

See Page 4





COMMISSION ACTION

The Michigan Aeronautics Commission met on May 18, 2000 in Saginaw. Among issued acted upon was the approval of funding for airport improvement projects across the state. Some projects have federal, state, and local funding, while others are funded from state and/or local sources alone. Commission approval for federally funded projects authorizes state participation, subject to issuance of a federal grant. Federal and state dollars for airport development are primarily from restricted, user generated funds. The primary sources of revenue are aviation fuel and passenger taxes, as well as aircraft registration fees.

Following are approved projects:

BENTON HARBOR

Southwest Michigan Regional Airport - an allocation of \$850,000 to rehabilitate Taxiway A. The proposed budget consists of \$765,000 federal, \$42,500 state, and \$42,500 local funds.

DETROIT

Detroit Metropolitan-Wayne County Airport - an allocation of \$22,187,000 toward a continuing project to construct a new mid-field terminal. The proposed budget consists of \$16,640,000 federal and \$5,547,000 local funds.

EAST JORDAN

East Jordan City Airport - an allocation of \$290,000 to rehabilitate Runway 9/27, the taxiway, and apron. The proposed budget consists of \$261,000 state, and \$29,000 local funds.

GLADWIN

Gladwin Zettel Memorial Airport - an allocation of \$440,000 to rehabilitate Runway 9/27, the taxiway, and apron. The proposed budget consists of \$396,000 federal, \$22,000 state, and \$22,000 local funds.

GRAND RAPIDS

Gerald R. Ford International Airport - an allocation of \$1,121,700 for land acquisition and to construct an airport perimeter road. The proposed budget consists of \$1,009,500 federal, \$46,000 state, and \$66,200 local funds.

HOLLAND

Tulip City Airport - an allocation of \$1,470,000 to reconstruct and strengthen Runway 8/26, install high intensity runway lights, and to conduct a runway safety area study. The proposed budget consists of \$719,000 federal, \$644,400 state, and \$106,600 local funds.

IONIA

Ionia County Airport - an allocation of \$1,308,700 to extend and rehabilitate Runway 9/27, construct a parallel taxiway, and for an archeological survey for wetland mitigation. The proposed budget consists of \$784,500 federal, \$432,500 state, and \$91,700 local funds.

KALAMAZOO

Kalamazoo/Battle Creek International Airport - an allocation of \$1,960,000 to construct a perimeter road, rehabilitate Taxiway A, and to replace snow removal equipment. The proposed budget consists of \$1,160,000 federal, \$55,000 state, and \$745,000 local funds.

MAC WELCOMES NEW STATE POLICE REPRESENTATIVE



Members of the Michigan Aeronautics Commission welcomed Capt. John Ort during their May meeting in Saginaw. He replaces Capt. Steven Herner, who recently took the position of 8th District commander in the Upper Peninsula. Capt. Ort was recently promoted to commander of the Special Operations Division of the Michigan State Police. He will be responsible for the Aviation, Traffic Services, Prevention Services, Field Services, and Operations sections. A native of Niles, he has served with the state police since 1979. He and his wife, Cynthia, have two children. Capt. Ort has been appointed by state police director, Col. Michael Robinson to represent the department on the commission. He joins the directors of the state departments of Natural Resources, Transportation, and Military Affairs as statutory members.

Accident Reports

Accident Reports are reprinted from Federal Aviation Administration (FAA), National Transportation Safety Board (NTSB), or Police reports and are for information only. *Michigan Aviation* does not attest to the accuracy of these reports. We do not determine the cause of accidents; that is left to NTSB and FAA investigators.

FEBRUARY

6 Sawyer International Airport, Mooney MO20K, pleasure flight, injuries: None; aircraft damage: substantial, Wx: METAR KGWI 062115Z 23015 G20KT 7SM CLR A2985, Accident Report: Aircraft landed gear up on runway 19.

8 Alma, Piper PA-38-112, pleasure flight, Injuries: 1 Minor; Aircraft damage: substantial, Wx: METAR KAMN 081215Z 0000KT 10SM SCT001 M20/M22 A3004, Accident Report: Aircraft made a forced landing following fuel exhaustion.

15 Escanaba, Beech 1900D, Air carrier flight, Injuries: None; Aircraft damage: substantial, Wx: Instrument meteorological conditions, Accident Report: Aircraft departed the paved runway surface.

20 Saginaw County Airport, Piper PA-32-300, pleasure flight, Injuries: None; Aircraft damage: substantial, Wx: METAR KMBS 210353Z 22009KT 9SM CLR M06/M09 A3031, Accident Report: Aircraft impacted a snowbank during landing on runway 27.

29 Utica, Cessna 172, pleasure flight, Injuries: None; Aircraft damage: minor, Wx: METAR KMYC 282355Z 28003KT 10SM FEW200 M05/M05 A3029, Accident Report: Aircraft struck a deer while landing on runway 22.

MARCH

3 Waterford, Beech A36, business flight, Injuries: none; Aircraft damage: substantial, Wx: METAR KPTK 100053Z 36015KT 21/2SM -SN BR OVC006 M01/M01 A2993, Accident Report: Aircraft under-shot a landing on runway 27L at the Oakland International Airport touching down approximately 1/4 mile short of the runway. An FAA inspector, who arrived 2 1/2 hours after the accident stated there was about 2 inches of ice on the aircraft.

APRIL

15 Two miles west, southwest of Muskegon Cessna 172S, pleasure flight, Injuries: Minor; Aircraft damage: unknown, Wx: METAR KMKG SPECI 151812Z 24007KT 21/2SM BR BKN 007 OVC 012 11/09 A2998, Accident Report: Aircraft departed Muskegon SVFR southwest bound. The pilot, unable to maintain SVFR, impacted the water two miles southwest of the airport. The pilot and passenger were rescued by the Coast Guard.

15 Lansing, Cessna 404, Air-Taxi flight, Injuries: None; Aircraft damage: substantial, Wx: METAR KLAN SPECI 151142Z 20007KT 3SM BR OVC036 13/12 A2998, Accident Report: Aircraft lost power on both engines just after takeoff from the Capital City Airport. Post accident examination of the aircraft revealed the aircraft was serviced with jet fuel.

18 Battle Creek, Cessna 172R, instructional flight, Injuries: None; Aircraft damage: substantial, Wx: visual meteorological conditions, Accident Report: Aircraft collided with two runway signs and two run-

way lights during an aborted landing following a loss of directional control.

25 Houghton Memorial Airport, Saab SF-340, Air Carrier flight, Injuries: None; Aircraft damage: substantial, Wx: visual meteorological conditions, Accident Report: Aircraft collided with two deer during the take-off ground run on runway 31. The collision occurred just prior to the airplane reaching V₁. The takeoff was aborted and the airplane taxied to the gate without further incident.

29 New Hudson Airport, Piper PA28, Type of flight: unknown, Injuries: unknown; Aircraft damage: substantial, Wx: unknown, Accident Report: The aircraft was found near the south side of runway 7, unattended. The aircraft sustained right landing gear and wing damage.

30 Winn, Fairchild PT-26B, pleasure flight, Injuries: Minor; Aircraft damage: substantial, Wx: METAR KAMN 301655Z 21008KT 10SM CLR 16/M01 A3024, Accident Report: Aircraft lost engine power and made an off airport forced landing.

MAY

6 Eckerman, Bell 206B, business flight, Injuries: Minor; Aircraft damage: destroyed, Wx: METAR KERY 061435Z 29009KT 10SM CLR 24/14 A2995, Accident Report: Helicopter crashed following a loss of tail rotor effectiveness while in preparation for landing. The pilot was forced to land the helicopter in a wooded area. During the landing, the main rotor to struck trees resulting in the helicopter rolling over on its right side. Shortly after the occupants had exited the aircraft, a fire erupted destroying the helicopter.



Aviation In-formation

Five Michigan flight instructors have earned the designation "Master CFI" from the National Association of Flight Instructors (NAFI). They are Douglas Conciatu, Sterling Heights; Jerard E Delaney II, Maybee; Tom Gilmore, St. Clair Shores; Claire "Geni" Grant, Bay City; and Edmond W. Verville, Portage. To help put this achievement in perspective, there are approximately 78,000 CFIs in the United States and fewer than two hundred have achieved this distinction. Furthermore, The last five national Flight Instructors of the Year were Master CFIs. The Master Instructor designation is earned through a rigorous process of continuing education and, much like a flight instructor certificate, must be renewed biennially. This process parallels the continuing education regimen used by other professionals to enhance their knowledge base while increasing their professionalism. NAFI, founded in 1967, is dedicated to raising and maintaining the professional standing of flight instructors throughout the nation, as well as providing a safe and effective learning environment for student pilots. In addition, NAFI initiates education and support programs throughout the aviation industry. The Association affiliated with the Experimental Aircraft Association in May of 1995. For additional information about the Master Instructor program, visit NAFI's website at www.nafinet.org.

Nominations are being accepted for the 38th Annual General Aviation Industry Awards Program. A cooperative effort between the Federal Aviation Administration and the general aviation industry, the program recognizes outstanding individuals in three categories: *Aviation Maintenance*

Technician, Avionics Technician, and Certified Flight Instructor. The awards highlight the important role each of these professionals play in promoting aviation safety and education. Nominations are due by November 1, 2000. For additional information, or to request a nomination form, contact the Detroit Flight Standards District Office (FSDO) at 734-487-7222, the Grand Rapids FSDO at 616-954-6657, the South Bend FSDO at 219-245-4600, or the Bureau of Aeronautics at 517-335-9977.

The National Air Transportation Foundation (NATF) has announced the availability of Aviation Curriculum Grants which are designed to assist teachers who want to use aviation in their classrooms. A maximum of \$250.00 is allowed each year per teacher or school. The grants are available to classroom teachers in public schools or to teachers of home study in grades K-12. The NATF, based in Alexandria, Virginia, is committed to enhancing the aviation safety and quality by assisting aviation businesses in education and training. For additional information, contact them at 703-845-9000 or visit their website at www.nata-online.org.

The FAA is now giving pilots and flight instructors the option to choose whether personally identifying information will appear in a publically-distributed database. Until the recently, information including pilot name, address, grade of certificate, and ratings, was not released to the public. However, as part of the recently enacted FAA reauthorization bill, the information will be available unless a pilot specifically chooses to have it kept secret. This action is seen as positive by various groups and organizations who will use the database to provide direct mailings of safety meetings, publications, and products. The agency is sending a letter to all pilots giving them the opportunity to remove their names from the database.

The Department of Defense has stopped artificially degrading the

accuracy of the Global Positioning System (GPS). The intentional degradation, known as selectively availability, had been introduced to the signal as a national security measure. GPS users can now expect position accuracy to be better than 100 feet. Immediate benefits to aviation users include better situational awareness on the ground at airports while taxiing, and more reliable performance from GPS-based terrain avoidance systems while in the approach and landing phase. The new signal will still not be accurate enough for precision approaches, however, without augmentation. The discontinuation of selectively availability was made possible by the development of techniques that allow the military to restore the intentional "dithering" of the timing signal on a regional basis, when required by national security concerns.

The National Aviation Hall of Fame has selected the National Association of State Aviation Officials (NASAO) as the recipient of the 2000 *Milton Caniff Spirit of Flight Award*. As part of the award presentation, each state was asked to provide a brief narrative of the its most important contribution to aviation. Michigan Aeronautics Commission Director, William E. Gehman, submitted the following summary of Michigan aviation history: *Michigan's status as a world leader in manufacturing has made it home to aviation pioneers since the earliest days of powered flight. In 1909, the Brooke Aeroplane Company, of Saginaw, manufactured eleven airplanes. Between 1926 and 1932, The Ford Motor Company, of Dearborn, produced more than 200 Tri-motor airliners. The "Tin Goose" was the first airplane to be used in transcontinental passenger service. During World War II, Ford turned out 8,700 B-24 bombers - nearly one per hour during the peak of production. In 1935, William Lear, of Grand Rapids designed the first practical aircraft direction finder. Today, Williams Engineering of Walled Lake supplies turbine engines for all of our nation's cruise missiles and is developing the next generation of low-cost turbine engines which will power tomorrow's general aviation fleet.*



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and much more!!

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Watch for more information in future issues of *Michigan Aviation*, or call Philip Tartalone at MDOT's Bureau of Aeronautics at 517-335-9880 or e-mail at glicac@mdot.state.mi.us. Information also available on the Web at www.mdot.state.mi.us/aero/.

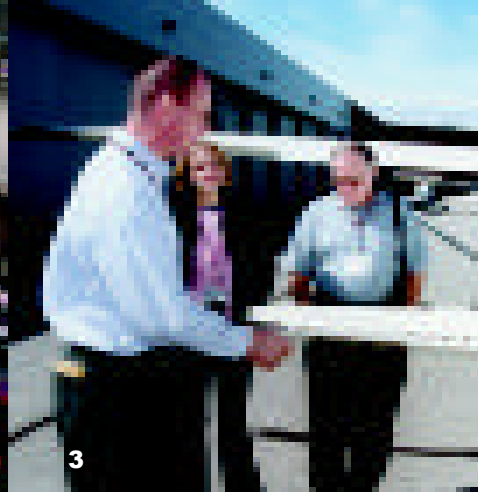
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2000 Aviation and Aerospace Teacher Workshop

On Saturday, May 20, 2000, the 7th Annual Aviation/Aerospace Teacher Workshop was held at the Bureau of Aeronautics Building in Lansing. During the activity-packed day, 140 teachers were shown many ways aviation concepts can be used in their classrooms as a means to motivate students. American Airlines Pilot and Michigan native, Janet Patton, was the morning keynote speaker. She captivated the group by sharing her personal story of success. In the afternoon, participants selected from a wide variety of breakout sessions. Planning for next year's workshop is already underway. It will be held on Saturday, May 19, 2001.

NASA MOBILE AERONAUTICS EDUCATION LABORATORY (MAEL)

This year we were especially fortunate to have NASA's Mobile Aeronautics Education Laboratory (MAEL) from the NASA Glenn Research Center, in Cleveland as part of the workshop. In addition, the MAEL was in Lansing during the entire week prior to the workshop. School groups from across mid Michigan were invited to the airport to learn about the fundamentals of aviation and to experience the lab as guests of the Bureau of Aeronautics.

1. The NASA Mobile Aeronautics Research Lab. Students from St. Gerard School in Lansing, DeWitt Elementary and High Schools, Waldron Elementary School in Fowler, and Dansville Middle School visited the Bureau of Aeronautics and the MAEL.

2. The vast resource center has become a regular feature of the workshop. It is coordinated by Judge Michael Silver. Among the resources available are a wide variety of lesson plans, curriculum aids, and industry promotional materials.

3. Pilot Chris Bayley explains the basics of aerodynamics prior to departing on an introductory flight. Lansing Community College, Department of Aviation Technology also provided airplanes and instructors.

4. Alan Johnson, Air Traffic Control Specialist from the Lansing Air Traffic Control Tower shows teachers how a radar BRITE scope is used to assist controllers.

5. Keynote speaker, Janet Patton, is a pilot for American Airlines. Prior to joining American, Ms. Patton flew DC-9s for Detroit-based Spirit airlines, where she became their first female captain at the age of 27.

6. Karl Klimek, founding member of the Michigan Aeroscience Alliance, concluded his "model rocketry blast class" with a launch of several rockets.

7. Model aircraft were just a few of the excellent door prizes awarded throughout the day.

8. Young people of all ages were amazed by the technology showcased in the MAEL. NASA education specialist Frank Witcher helps a future pilot.

9. Paula Wallace, Air Traffic Control Specialist, from the Lansing Tower was available throughout the day to discuss FAA careers.

10. Jerry Pahl, from the Kalamazoo Aviation History Museum, presented his very popular and energetic seminar on "why airplanes fly."

11. The U.S. Air Force has been a long-time co-sponsor. Sgt. Tim Amthor explains their many career opportunities. The U.S. Navy was also on hand to provide career information.

12. This wind tunnel is one of 10 different workstations in the NASA MAEL.

13. Judge Michael Silver tries out the MAEL's virtual reality flight simulator.

14. Helicopter flight instructor, Dennis Bowdoin, explains the controls of an Robinson R-22.

15. Another of the MAEL workstations is amateur radio/satellite navigation.

16. Phil Tartalone of the Bureau of Aeronautics explains aerodynamic fundamentals to a group of fifth graders.

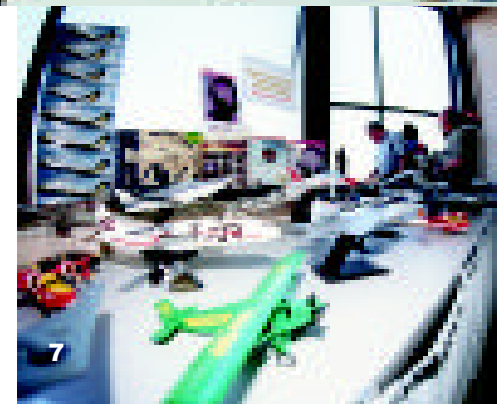
17. The breakout sessions were not only educational, but enjoyable. Topics included Exploring Aeronautics, by Sue Grenier; Fantastic Flight, by Ann Meengs; and Exciting Reluctant Learners, by Cathy Feala.

18. NASA education specialist, Jim Fitzgerald, used a lively, hands-on presentation to introduce teachers to some of the agency's education materials.

19. The popular StarLab Planetarium, presented by Ruth Cummins of the Chippewa Valley Schools, is available to visit classrooms.

20. Hank Wiegand and Laurie Fowler, founding Michigan Aeroscience Alliance members, show teachers how flight simulator software can easily be adapted for classroom use.

Photo's: Bill Phillips and Tim Birke, MDOT Photo lab



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